

FIG. 1

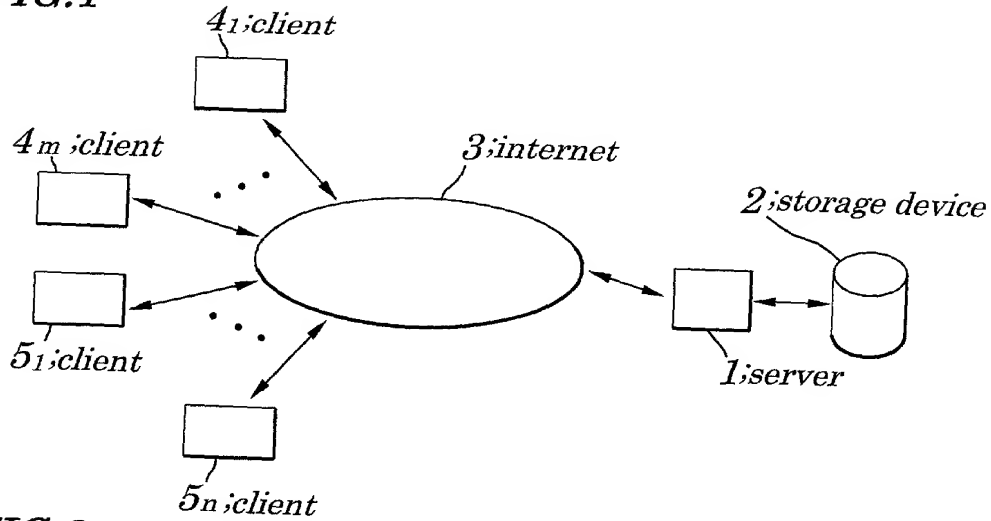


FIG. 2

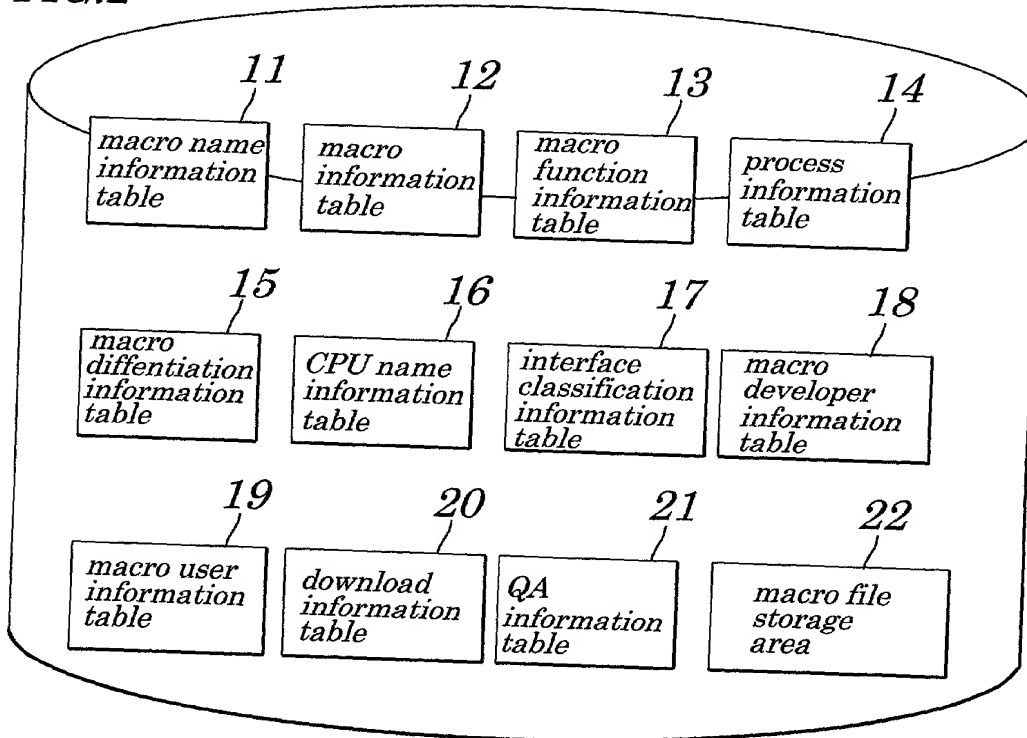


FIG. 3

| title          | variable identifier | type | remark |
|----------------|---------------------|------|--------|
| macro code     | MacroCode           | INT  |        |
| macro name     | MacroName           | TEXT |        |
| developer name | MacroDeveloperName  | TEXT |        |

**FIG. 4**

*12:macro information table*

| <i>title</i>  | <i>variable identifier</i>        | <i>type</i> | <i>remark</i>   |
|---|-----------------------------------|-------------|---|
| <i>macro code</i>                                   | <i>MacroCode</i>                  | <i>INT</i>  |   |
| <i>developer name</i>                               | <i>MacroDeveloperName</i>         | <i>TEXT</i> |   |
| <i>process code</i>                                 | <i>ProcessCode</i>                | <i>INT</i>  |   |
| <i>file name</i>                                    | <i>FileName</i>                   | <i>TEXT</i> |   |
| <i>macro call name(Japanese)</i>                    | <i>MacroCallNameJ</i>             | <i>TEXT</i> |   |
| <i>macro call name(English)</i>                     | <i>MacroCallNameE</i>             | <i>TEXT</i> |   |
| <i>macro differentiation</i>                        | <i>MacroDifferentiation</i>       | <i>INT</i>  | 0=cell base soft macro<br>1=cell base hard macro<br>2=manual hard macro   |
| <i>macro function code</i>                          | <i>MacroFunctionCode</i>          | <i>INT</i>  |   |
| <i>CPU name code</i>                                | <i>CPUNameCode</i>                | <i>INT</i>  |   |
| <i>I/F classification code</i>                      | <i>InterfacClassificationCode</i> | <i>INT</i>  |   |
| <i>function outline(Japanese)</i>                   | <i>FunctionOutlineJ</i>           | <i>TEXT</i> |   |
| <i>function outline(English)</i>                    | <i>FunctionOutlineE</i>           | <i>TEXT</i> |   |
| <i>items of attention and restriction(Japanese)</i> | <i>AttentionRestrictionItemJ</i>  | <i>TEXT</i> |   |
| <i>items of attention and restriction(English)</i>  | <i>AttentionRestrictionItemE</i>  | <i>TEXT</i> |   |
| <i>related macros</i>                               | <i>RelationMacro</i>              | <i>TEXT</i> | list of parent macro names  |
| <i>planned release year</i>                         | <i>ReleasePlanDateY</i>           | <i>INT</i>  |   |
| <i>planned release month</i>                        | <i>ReleasePlanDateM</i>           | <i>INT</i>  |   |
| <i>planned release date</i>                         | <i>ReleasePlanDateD</i>           | <i>INT</i>  |   |
| <i>present version</i>                              | <i>Version</i>                    | <i>TEXT</i> |   |
| <i>data updating year</i>                           | <i>DataUpdateDateY</i>            | <i>INT</i>  |   |
| <i>data updating month</i>                          | <i>DataUpdateDateM</i>            | <i>INT</i>  |   |
| <i>data updating date</i>                           | <i>DataUpdateDateD</i>            | <i>INT</i>  |   |
| <i>class of quality</i>                             | <i>QualityClass</i>               | <i>INT</i>  | 0=general assurance level<br>1=non-operational condition level<br>2=operational condition level<br>3=non-assured level<br>4=yet-to-be-completed level |
| <i>size X</i>                                       | <i>SizeX</i>                      | <i>TEXT</i> |   |
| <i>size Y</i>                                       | <i>SizeY</i>                      | <i>TEXT</i> |   |
| <i>count of Al wiring layers</i>                    | <i>AlLayerCount</i>               | <i>INT</i>  |   |
| <i>count of grids</i>                               | <i>GridCount</i>                  | <i>INT</i>  |   |
| <i>count of cells</i>                               | <i>CellCount</i>                  | <i>INT</i>  |   |
| <i>count of Tr</i>                                  | <i>TrCount</i>                    | <i>INT</i>  |   |
| <i>action frequency</i>                             | <i>ActionFrequency</i>            | <i>TEXT</i> |   |
| <i>detection rate</i>                               | <i>MalfunctionDetectionRate</i>   | <i>TEXT</i> |   |
| <i>related QA numbers</i>                           | <i>RelationQANumber</i>           | <i>INT</i>  |   |
| <i>memory capacity</i>                              | <i>MemoryCapacity</i>             | <i>TEXT</i> |   |
| <i>width of memory bus</i>                          | <i>MemoryBusWidth</i>             | <i>TEXT</i> |   |
| <i>access speed to memory</i>                       | <i>MemoryAccessSpeed</i>          | <i>TEXT</i> |   |
| <i>registered year</i>                              | <i>RegistrationDateY</i>          | <i>INT</i>  |   |
| <i>registered month</i>                             | <i>RegistrationDateM</i>          | <i>INT</i>  |   |
| <i>registered date</i>                              | <i>RegistrationDateD</i>          | <i>INT</i>  |   |
| <i>final renewal year</i>                           | <i>FinalRenewalDateY</i>          | <i>INT</i>  |   |
| <i>final renewal month</i>                          | <i>FinalRenewalDateM</i>          | <i>INT</i>  |   |
| <i>final renewal date</i>                           | <i>FinalRenewalDateD</i>          | <i>INT</i>  |   |
| <i>security level</i>                               | <i>security level</i>             | <i>INT</i>  | 0:All macro users can browse.<br>1:Only macro users having concluded a special contract can browse.   |

FIG. 4

FIG.5

13;macro function information table

| <i>title</i>                                 | <i>variable identifier</i> | <i>type</i> | <i>remark</i> |
|--|----------------------------|-------------|---------------|
| <i>macro function code</i>                   | <i>MacroFunctionCode</i>   | <i>INT</i>  |               |
| <i>macro function name<br/>(in Japanese)</i> | <i>MacroFunctionNameJ</i>  | <i>TEXT</i> |               |
| <i>macro function name<br/>(in English)</i>  | <i>MacroFunctionNameE</i>  | <i>TEXT</i> |               |

FIG.6

14;process information table

| <i>title</i>        | <i>variable identifier</i> | <i>type</i> | <i>remark</i> |
|---------------------|----------------------------|-------------|---------------|
| <i>process code</i> | <i>ProcessCode</i>         | <i>INT</i>  |               |
| <i>process name</i> | <i>ProcessName</i>         | <i>TEXT</i> |               |

FIG.7

15;macro differentiation information table

| <i>title</i>   | <i>variable identifier</i>       | <i>type</i> | <i>remark</i> |
|--|----------------------------------|-------------|---------------|
| <i>macro differentiation</i>                           | <i>MacroDifferentiation</i>      | <i>INT</i>  |               |
| <i>name of macro<br/>differentiation (in English)</i>  | <i>MacroDifferentiationNameE</i> | <i>TEXT</i> |               |
| <i>name of macro<br/>differentiation (in Japanese)</i> | <i>MacroDifferentiationNameJ</i> | <i>TEXT</i> |               |

## FIG. 8

16; CPU name information table

| <i>title</i>            | <i>variable identifier</i> | <i>type</i> | <i>remark</i> |
|-------------------------|----------------------------|-------------|---------------|
| <i>code of CPU name</i> | <i>CPUNameCode</i>         | <i>INT</i>  |               |
| <i>CPU name</i>         | <i>CPUName</i>             | <i>TEXT</i> |               |

## FIG. 9

17; interface classification information table

| <i>title</i>                   | <i>variable identifier</i>         | <i>type</i> | <i>remark</i> |
|--------------------------------|------------------------------------|-------------|---------------|
| <i>I/F classification code</i> | <i>InterfaceClassificationCode</i> | <i>INT</i>  |               |
| <i>I/F classification name</i> | <i>InterfaceClassificationName</i> | <i>TEXT</i> |               |

## FIG. 10

18; macro developer information table

| <i>title</i>                   | <i>variable identifier</i> | <i>type</i> | <i>remark</i> |
|--------------------------------|----------------------------|-------------|---------------|
| <i>macro developer ID</i>      | <i>MacrodeveloperID</i>    | <i>INT</i>  |               |
| <i>macro developer name</i>    | <i>MacroDeveloperName</i>  | <i>TEXT</i> |               |
| <i>password</i>                | <i>Password</i>            | <i>TEXT</i> |               |
| <i>name (Japanese)</i>         | <i>NameJ</i>               | <i>TEXT</i> |               |
| <i>name (English)</i>          | <i>NameE</i>               | <i>TEXT</i> |               |
| <i>organization (Japanese)</i> | <i>OrganizationJ</i>       | <i>TEXT</i> |               |
| <i>organization (English)</i>  | <i>OrganizationE</i>       | <i>TEXT</i> |               |
| <i>post mail address</i>       | <i>PMail</i>               | <i>TEXT</i> |               |
| <i>telephone</i>               | <i>Telnet</i>              | <i>TEXT</i> |               |
| <i>E-mail address</i>          | <i>EMail</i>               | <i>TEXT</i> |               |

**FIG.11**

*19:macro user information table*

| <i>title</i>                     | <i>variable identifier</i>     | <i>type</i> | <i>remark</i>  |
|----------------------------------|--------------------------------|-------------|--|
| <i>name of product developer</i> | <i>ProductionDeveloperName</i> | <i>TEXT</i> |  |
| <i>password</i>                  | <i>Password</i>                | <i>TEXT</i> |  |
| <i>macro user name</i>           | <i>Name</i>                    | <i>TEXT</i> |  |
| <i>organization</i>              | <i>Organization</i>            | <i>TEXT</i> |  |
| <i>post mail address</i>         | <i>PMail</i>                   | <i>TEXT</i> |  |
| <i>telephone number</i>          | <i>Telnet</i>                  | <i>TEXT</i> |  |
| <i>E-mail address</i>            | <i>EMail</i>                   | <i>TEXT</i> | <i>macros</i>  |
| <i>downloadable macro</i>        | <i>DownloadableMacro</i>       | <i>TEXT</i> | <i>list of macro for which application has been submitted</i>  |
| <i>access level</i>              | <i>AccessLevel</i>             | <i>INT</i>  | <i>0=Macro user is allowed to browse only outlines of macro.<br/>1=Macro user is allowed to browse outlines and details of macro.<br/>2=Macro user is allowed to download macro.</i> |

**FIG.12**

*20:download information table*

| <i>title</i>                     | <i>variable identifier</i> | <i>type</i> | <i>remark</i>   |
|----------------------------------|----------------------------|-------------|---|
| <i>download right request ID</i> | <i>DownloadRequestID</i>   | <i>INT</i>  |   |
| <i>user name</i>                 | <i>UserName</i>            | <i>TEXT</i> |   |
| <i>requesting year</i>           | <i>RequestDateY</i>        | <i>INT</i>  |   |
| <i>requesting month</i>          | <i>RequestDateM</i>        | <i>INT</i>  |   |
| <i>requesting date</i>           | <i>RequestDateD</i>        | <i>INT</i>  |   |
| <i>macro name</i>                | <i>MacroName</i>           | <i>TEXT</i> |   |
| <i>process code</i>              | <i>ProcessCode</i>         | <i>INT</i>  |   |
| <i>download scheduling year</i>  | <i>DownloadDateY</i>       | <i>INT</i>  |   |
| <i>download scheduling month</i> | <i>DownloadDateM</i>       | <i>INT</i>  |   |
| <i>download scheduling date</i>  | <i>DownloadDateD</i>       | <i>INT</i>  |   |
| <i>action flag</i>               | <i>ActionFlag</i>          | <i>INT</i>  | <i>0=not yet processed<br/>5=already processed<br/>6=rejected</i> |

**FIG.13**

*21:QA information table*

| <i>title</i>                     | <i>variable identifier</i>   | <i>type</i> | <i>remark</i>   |
|----------------------------------|------------------------------|-------------|---|
| <i>QA code</i>                   | <i>QACode</i>                | <i>INT</i>  |   |
| <i>macro code</i>                | <i>MacroCode</i>             | <i>INT</i>  |   |
| <i>process code</i>              | <i>ProcessCode</i>           | <i>INT</i>  |   |
| <i>version</i>                   | <i>Version</i>               | <i>TEXT</i> |   |
| <i>problem occurring year</i>    | <i>ProblemDateY</i>          | <i>INT</i>  |   |
| <i>problem occurring month</i>   | <i>ProblemDateM</i>          | <i>INT</i>  |   |
| <i>problem occurring date</i>    | <i>ProblemDateD</i>          | <i>INT</i>  |   |
| <i>contact year</i>              | <i>ContactDateY</i>          | <i>INT</i>  |   |
| <i>contact month</i>             | <i>ContactDateM</i>          | <i>INT</i>  |   |
| <i>contact date</i>              | <i>ContactDateD</i>          | <i>INT</i>  |   |
| <i>contact hour</i>              | <i>ContactTimeH</i>          | <i>INT</i>  |   |
| <i>contact minute</i>            | <i>ContactTimeM</i>          | <i>INT</i>  |   |
| <i>requested finish year</i>     | <i>FinishRequestDateY</i>    | <i>INT</i>  |   |
| <i>requested finish month</i>    | <i>FinishRequestDateM</i>    | <i>INT</i>  |   |
| <i>requested finish date</i>     | <i>FinishRequestDateD</i>    | <i>INT</i>  |   |
| <i>organization of users</i>     | <i>ContactorOrganization</i> | <i>TEXT</i> |   |
| <i>post mail of users</i>        | <i>ContactorPMail</i>        | <i>TEXT</i> |   |
| <i>telephone number of users</i> | <i>ContactorTelnet</i>       | <i>TEXT</i> |   |
| <i>name of users</i>             | <i>ContactorName</i>         | <i>TEXT</i> |   |
| <i>E-mail address of users</i>   | <i>ContactorEMail</i>        | <i>TEXT</i> |   |
| <i>contents</i>                  | <i>Contents</i>              | <i>TEXT</i> |   |
| <i>status flag</i>               | <i>StatusFlag</i>            | <i>INT</i>  | 0=Question is asked, but no<br>reply has been made.<br>1=Final reply has been made. |
| <i>final report plan year</i>    | <i>FinalReportPlanDateY</i>  | <i>INT</i>  |   |
| <i>final report plan month</i>   | <i>FinalReportPlanDateM</i>  | <i>INT</i>  |   |
| <i>final report plan date</i>    | <i>FinalReportPlanDateD</i>  | <i>INT</i>  |   |
| <i>final report year</i>         | <i>FinalReportDateY</i>      | <i>INT</i>  |   |
| <i>final report month</i>        | <i>FinalReportDateM</i>      | <i>INT</i>  |   |
| <i>final report date</i>         | <i>FinalReportDateD</i>      | <i>INT</i>  |   |
| <i>answer plan flag</i>          | <i>AnswerPlanFlag</i>        | <i>INT</i>  | 0=No plan to make reply.<br>1=Plan to make reply.                                   |
| <i>importance flag</i>           | <i>ImportantFlag</i>         | <i>INT</i>  | 0=Malfunction and bug.<br>1=General motification.                                   |

FIG. 14

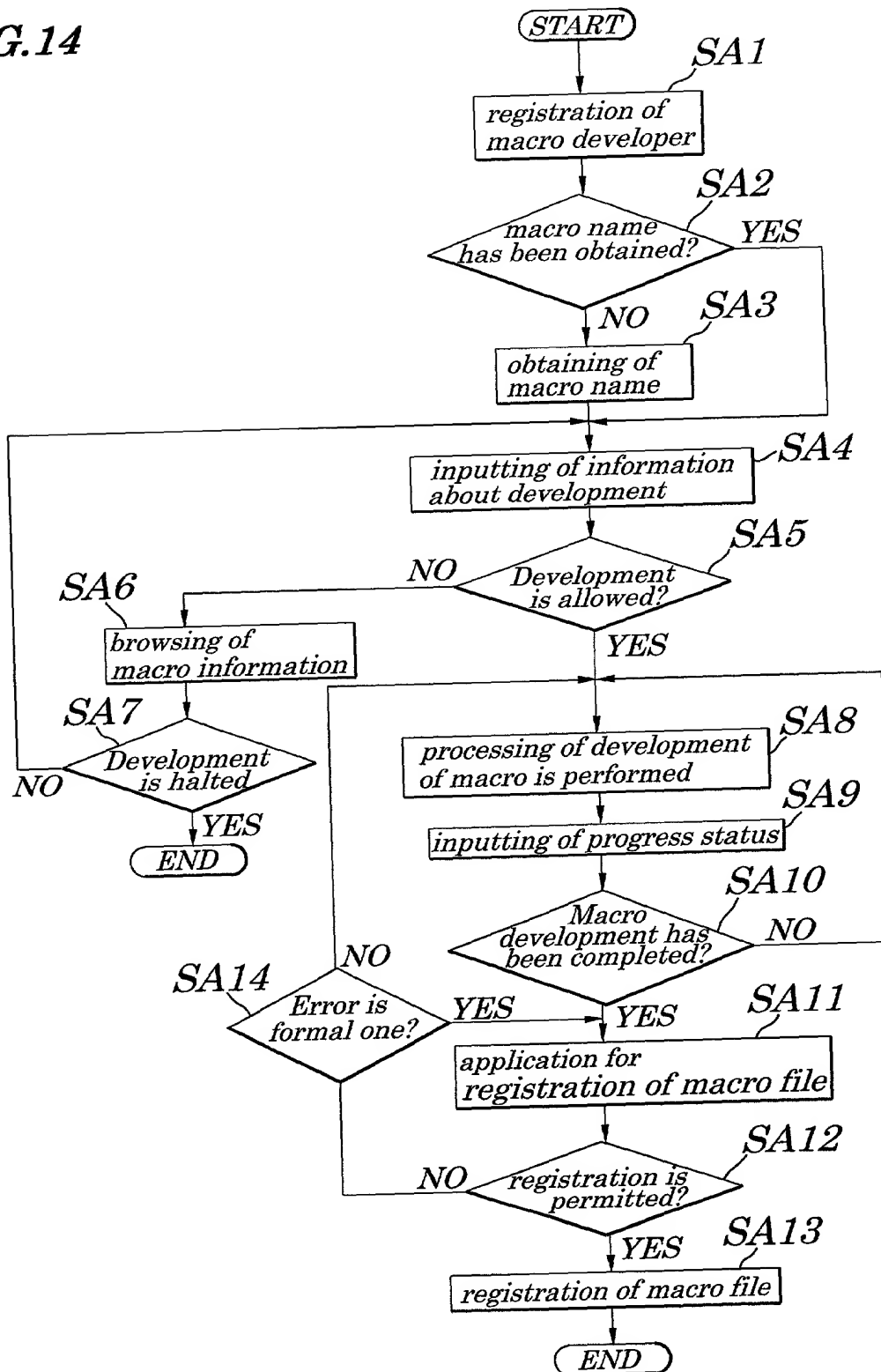


FIG.15

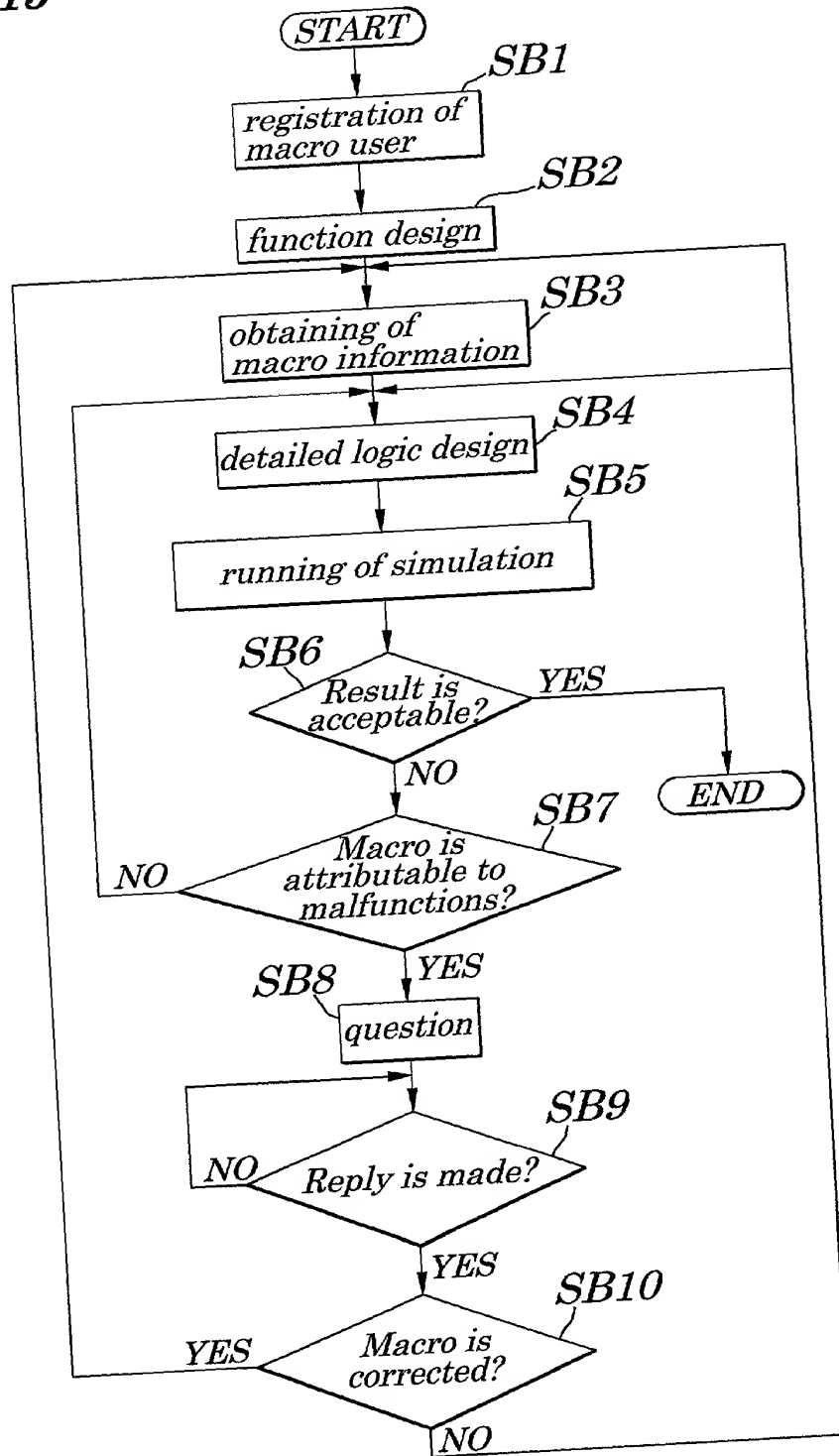




FIG.16

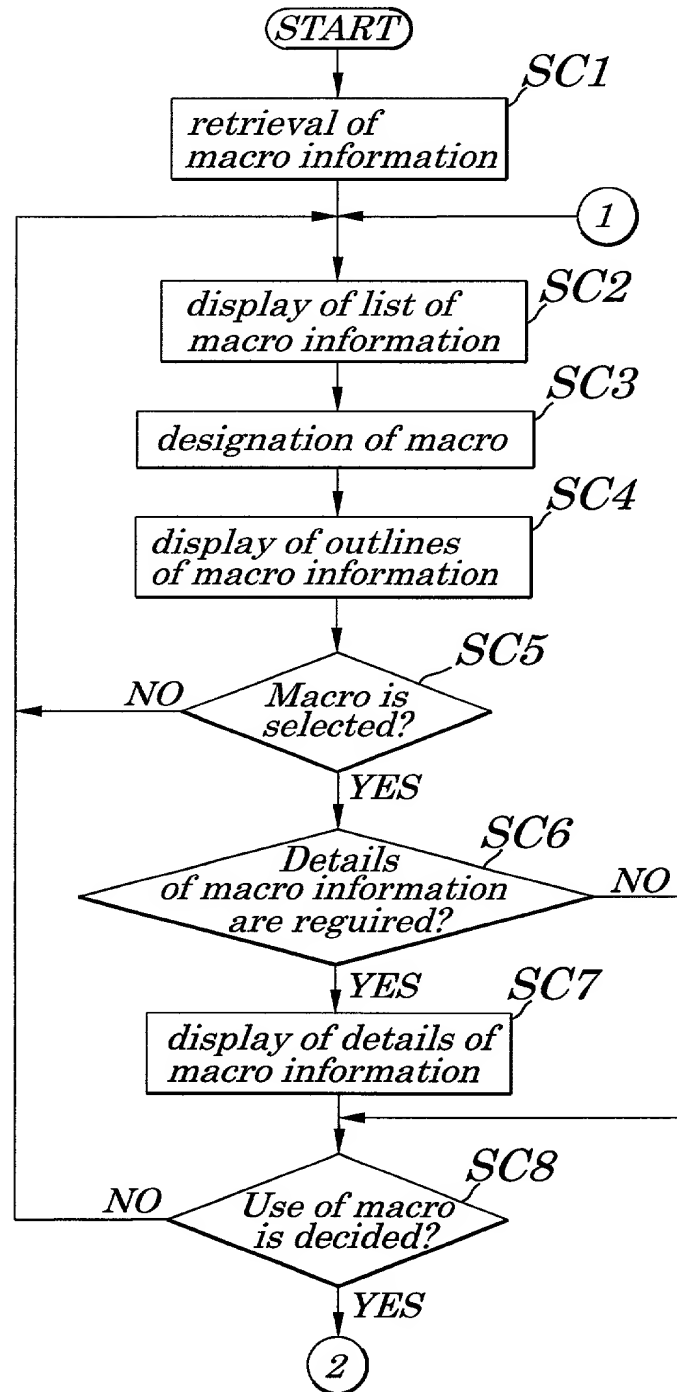


FIG.17

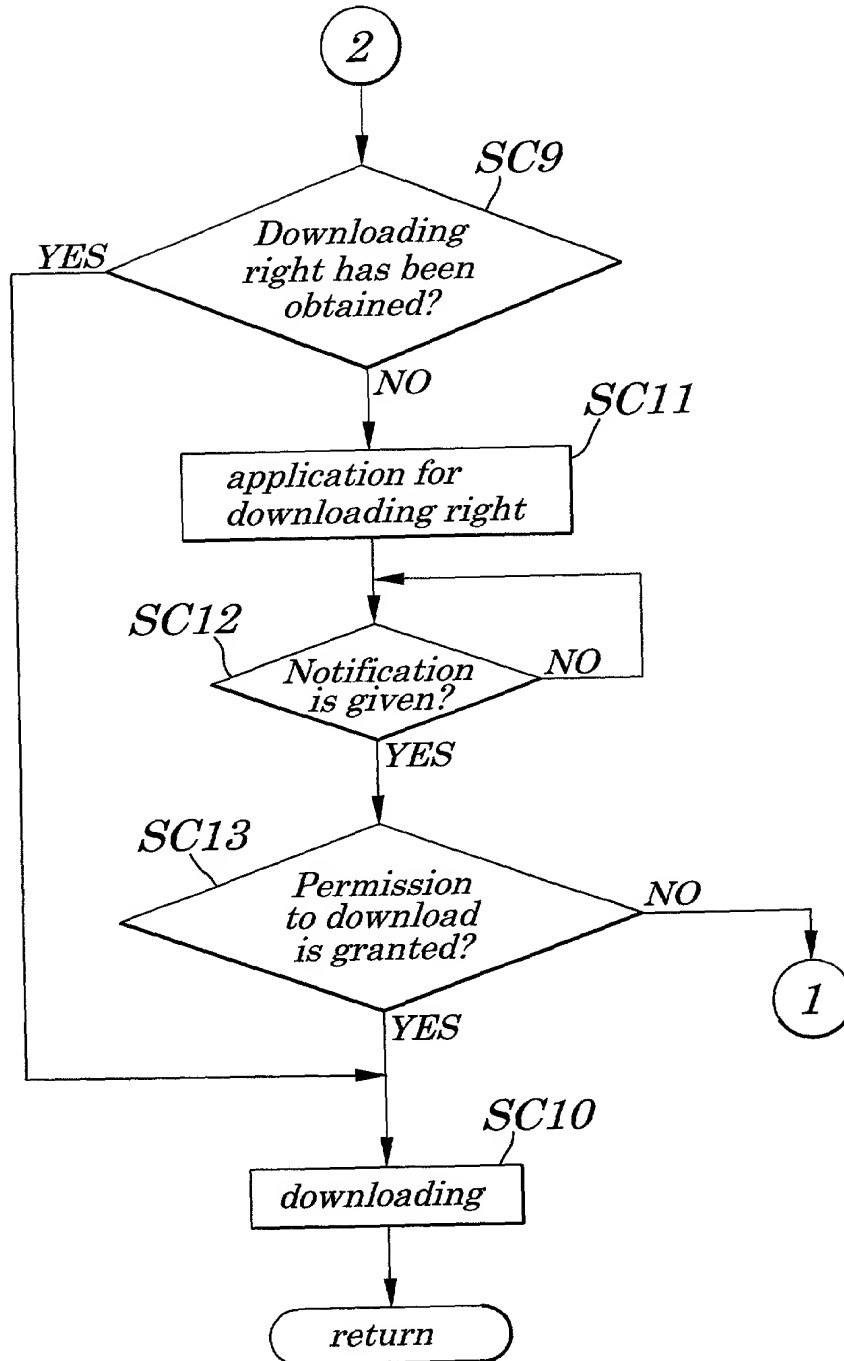


FIG. 17

FIG. 18

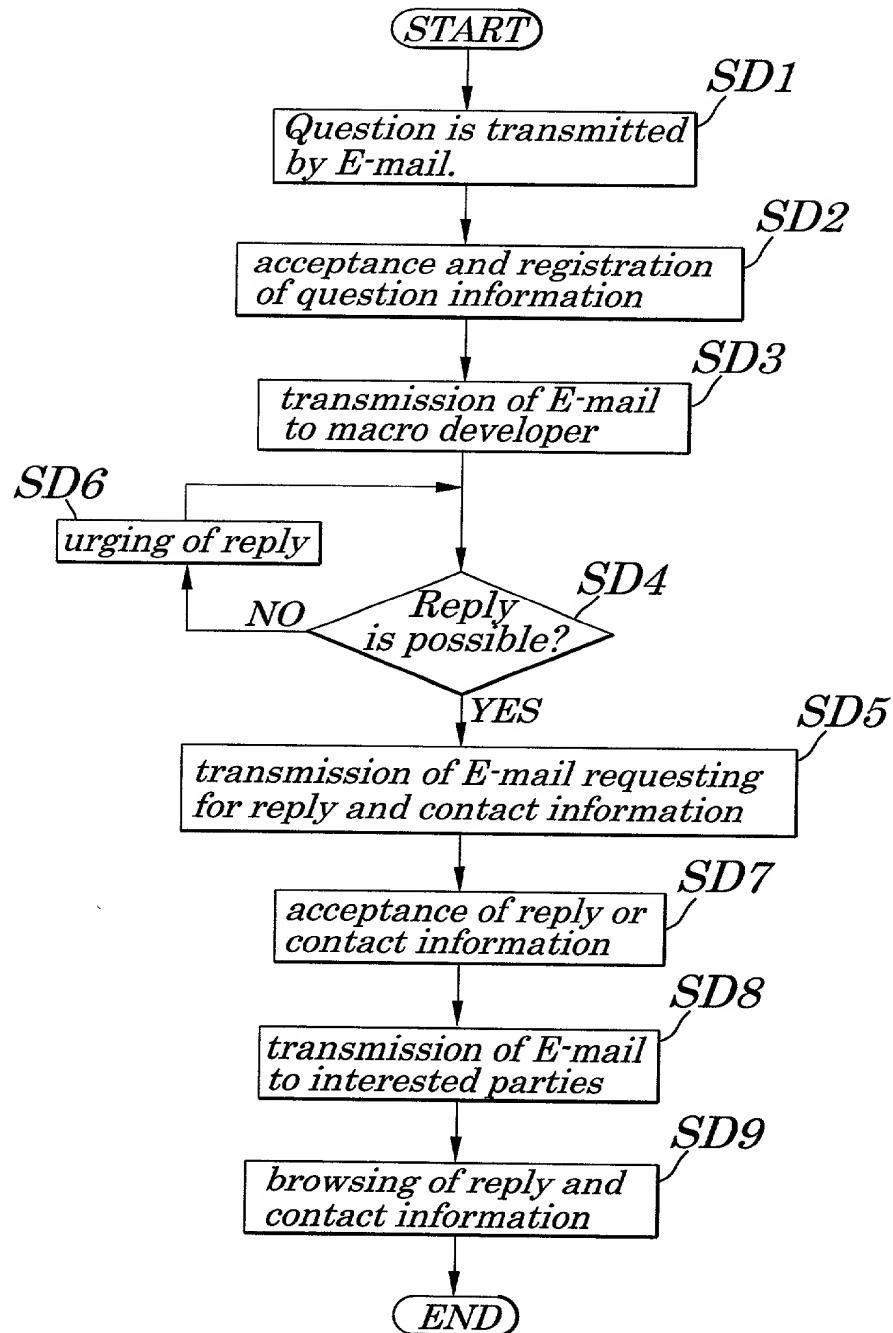


FIG.19

